

**COMPUTER SYSTEM AND PRINTED CIRCUIT BOARD MANUFACTURED  
IN ACCORDANCE WITH A QUASI-MONTE CARLO SIMULATION TECHNIQUE  
FOR MULTI-DIMENSIONAL SPACES**

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**Abstract**

A computer system includes a printed circuit board manufactured in  
accordance with simulated trace impedances and topologies. The printed circuit  
board includes trace impedances characterizing at least three dimensions of a  
10 multi-dimensional space of the printed circuit board. The printed circuit board  
design includes trace impedances and topologies obtained with the use of a  
quasi-Monte Carlo simulation methodology.

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